

FIG. 1

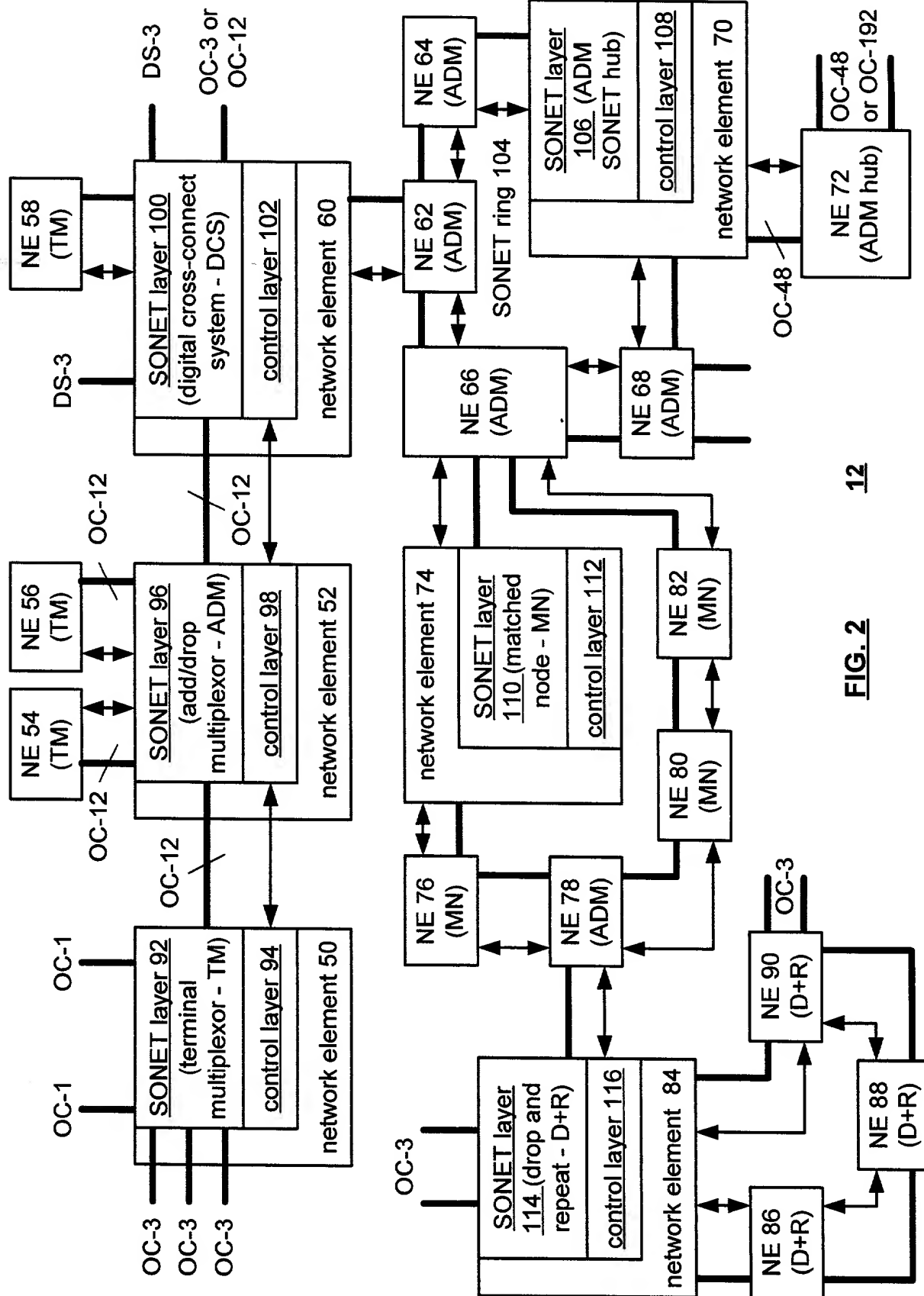


FIG. 2

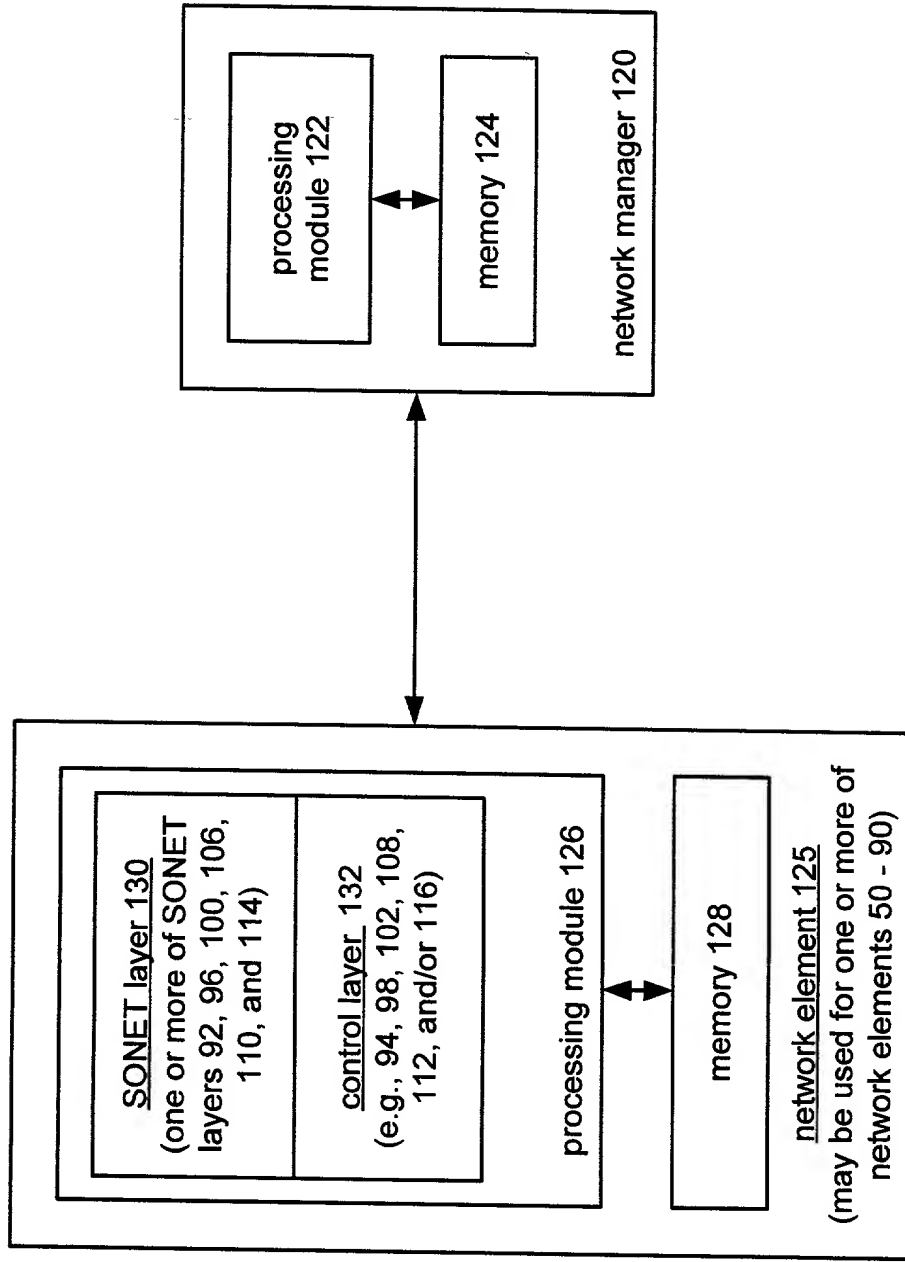


FIG. 3

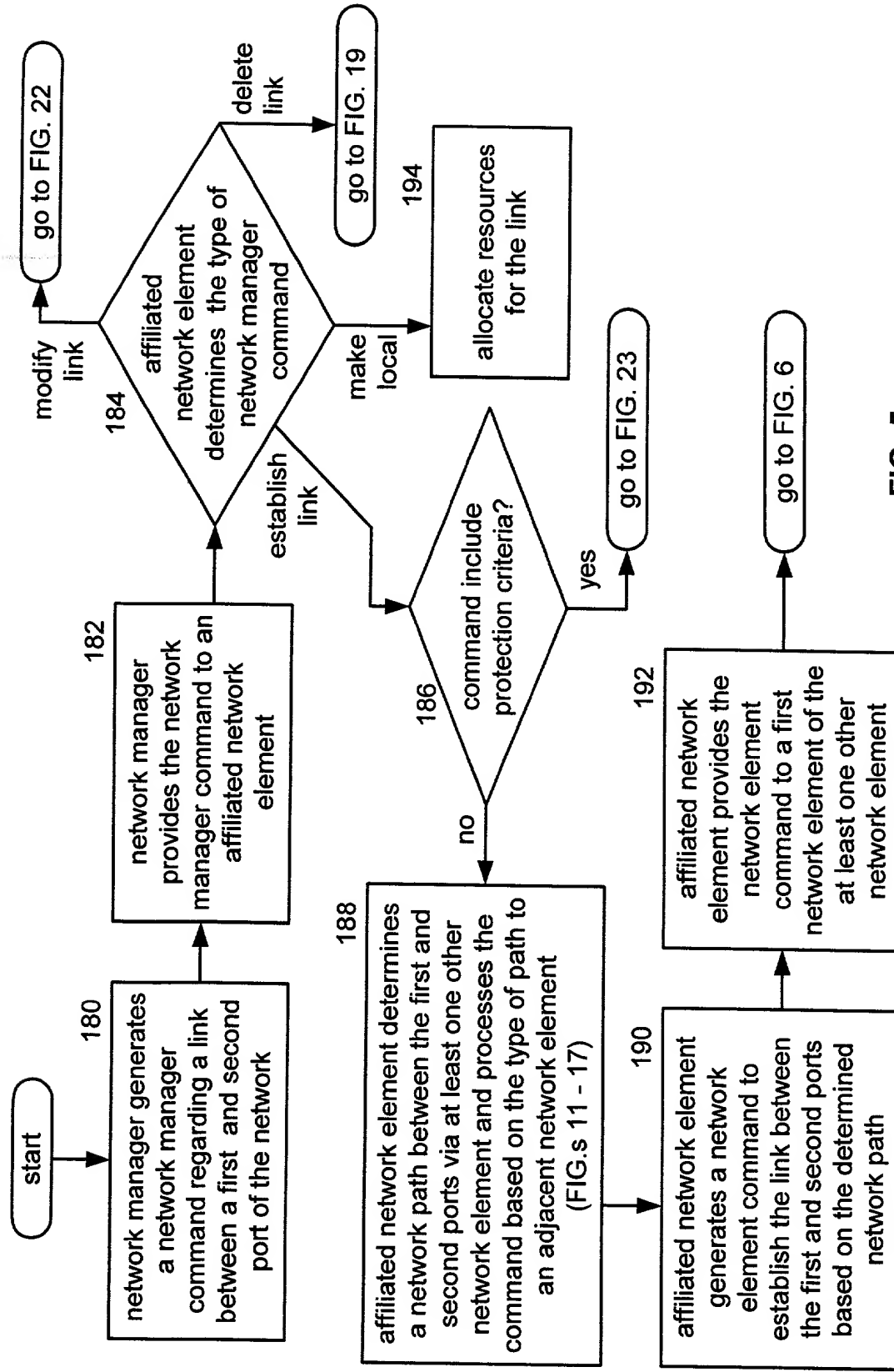
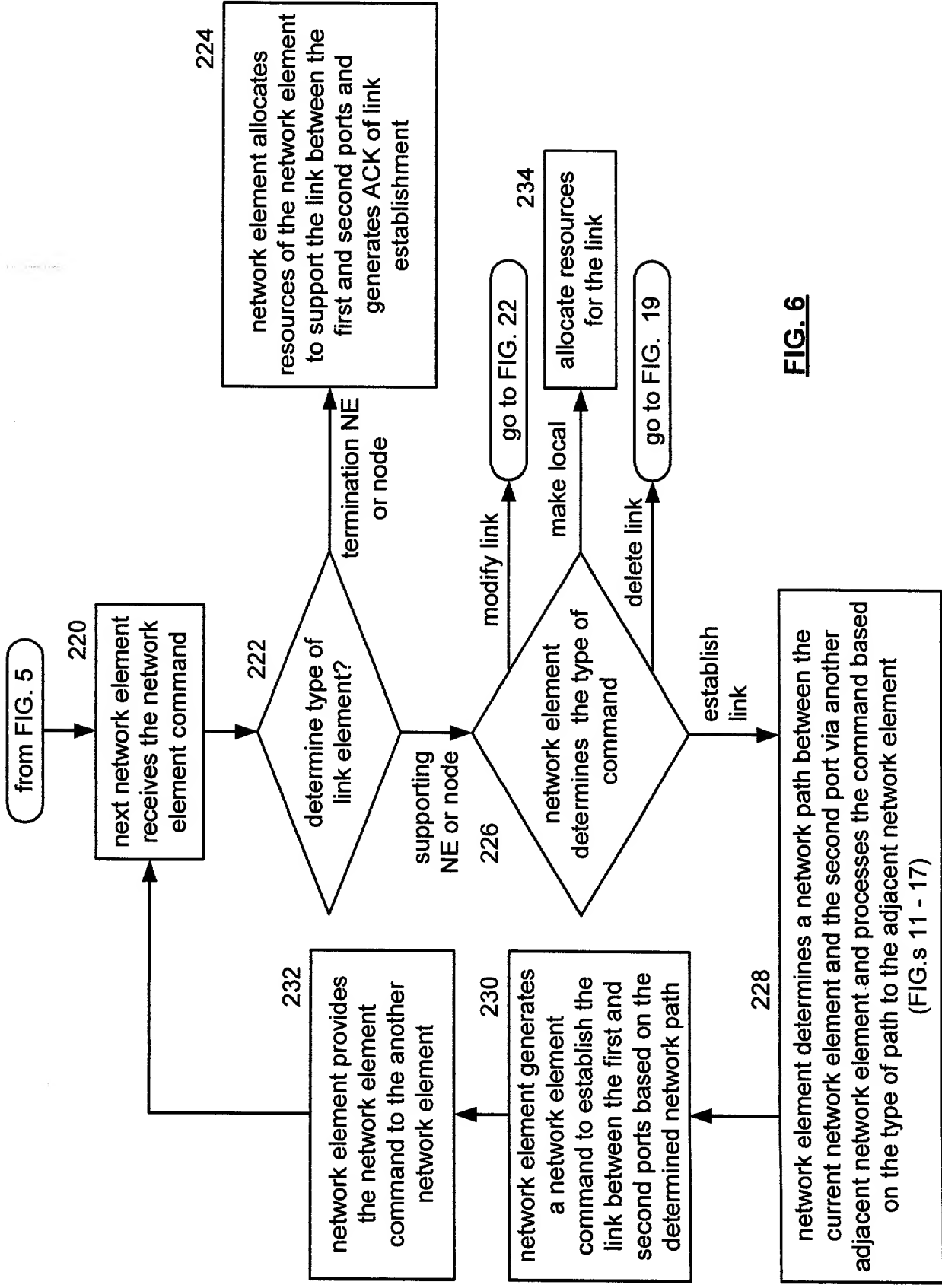


FIG. 5



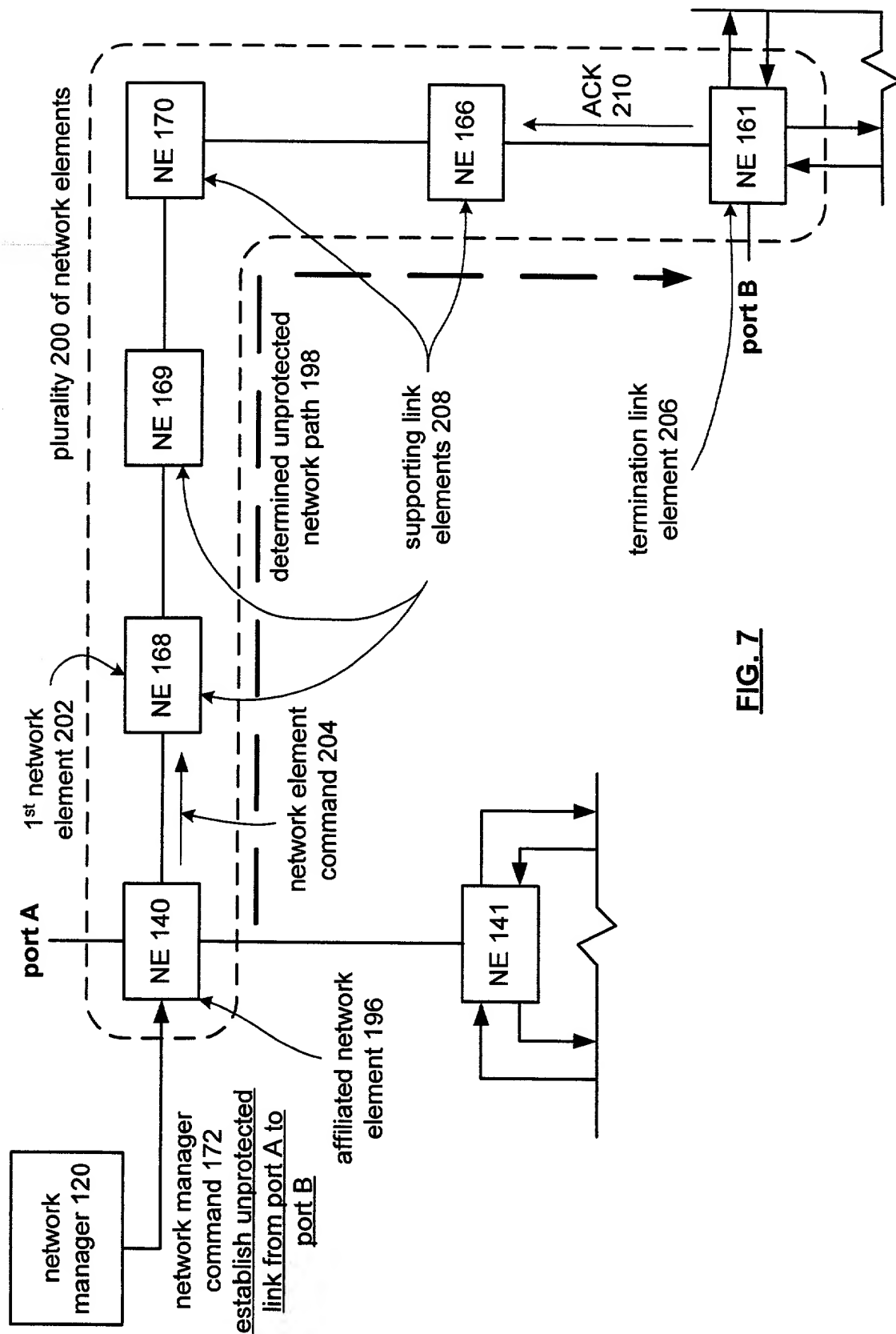


FIG. 7

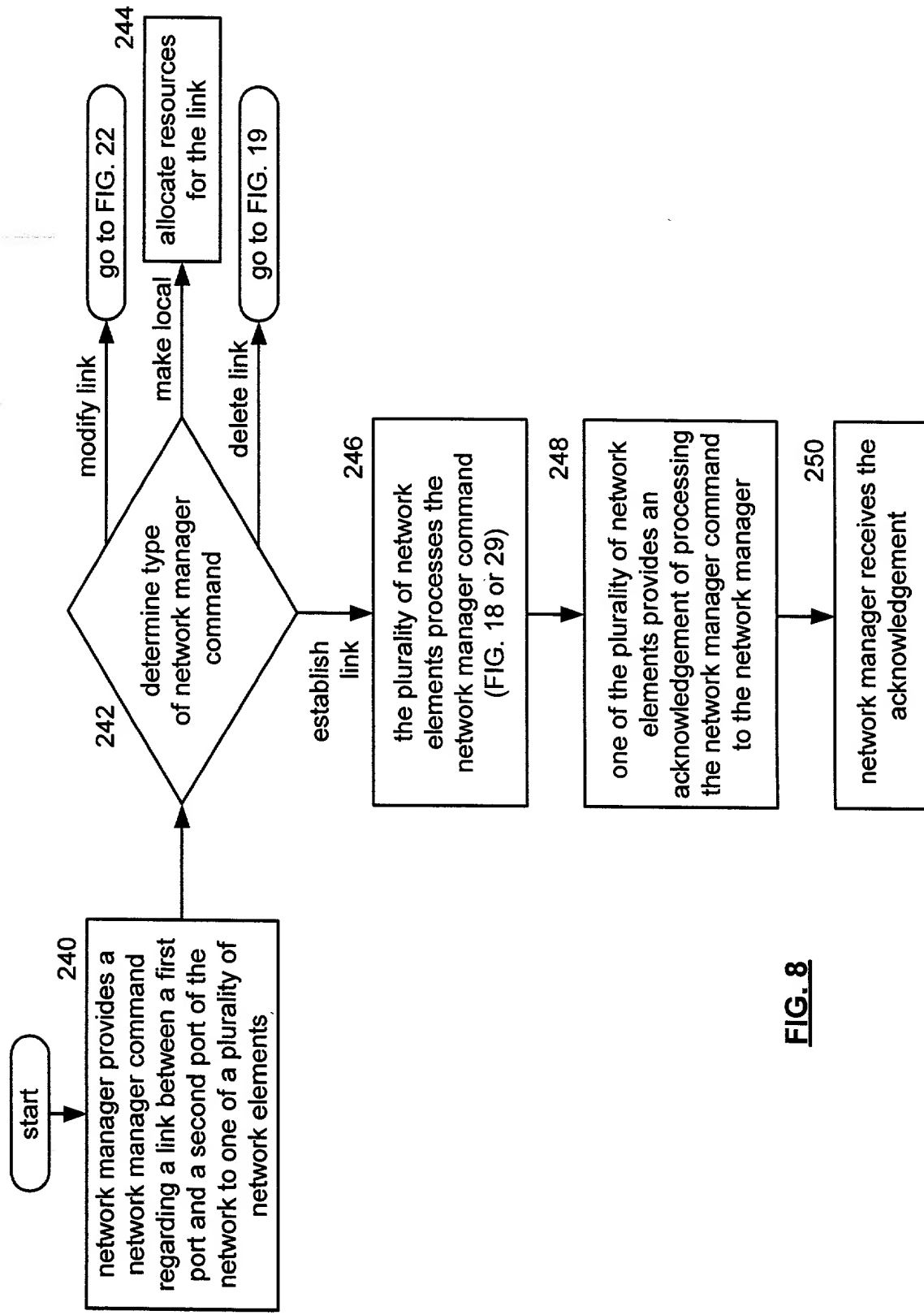


FIG. 8

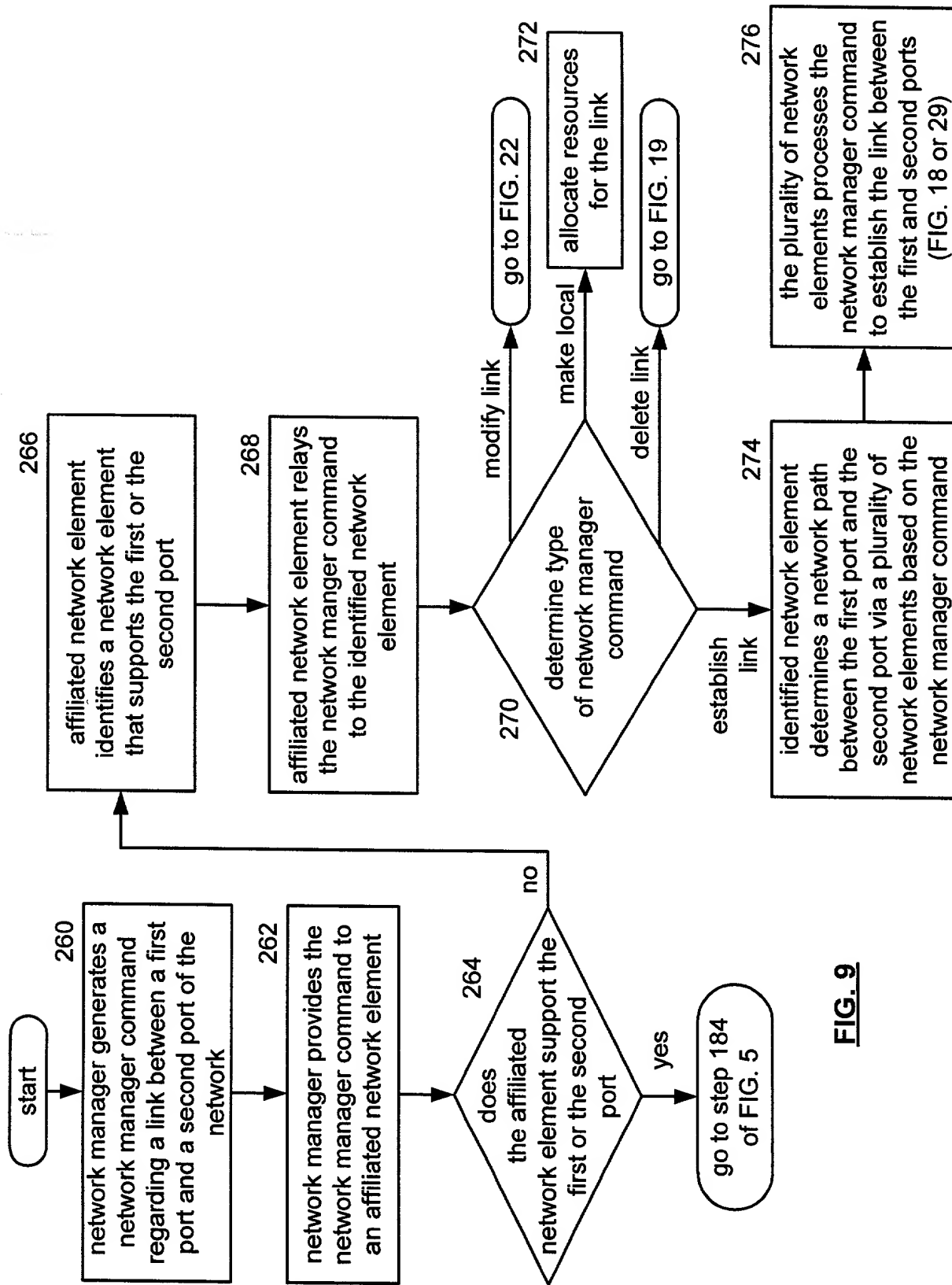


FIG. 9

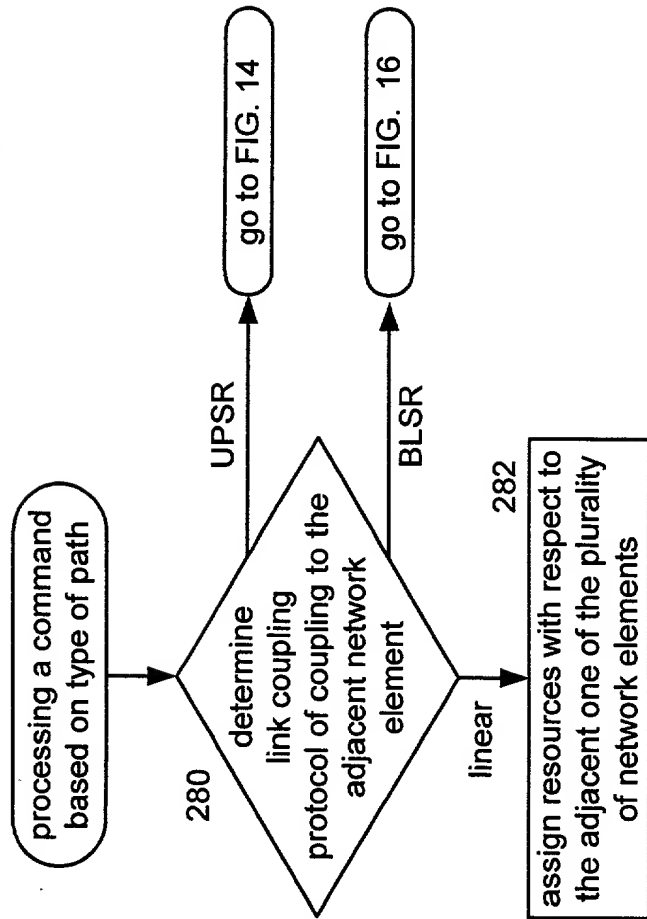


FIG. 11

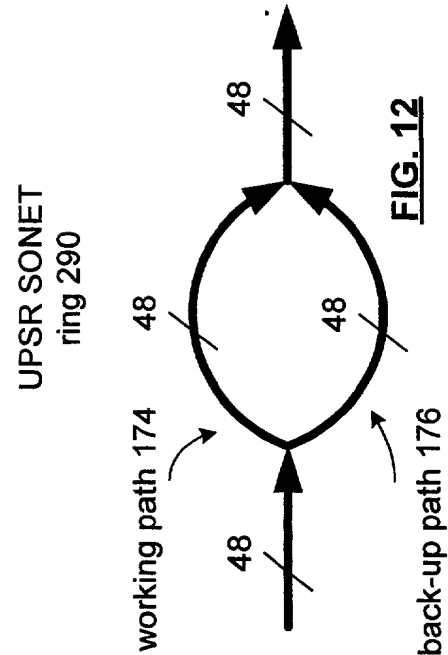


FIG. 12

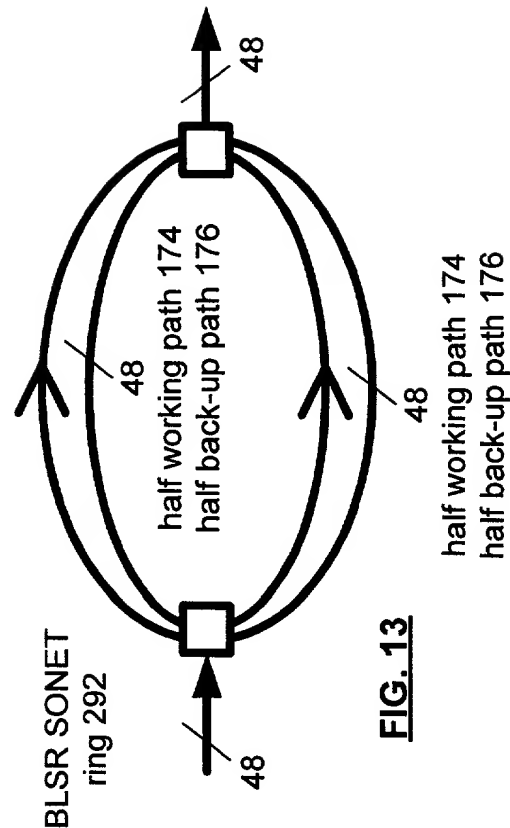


FIG. 13

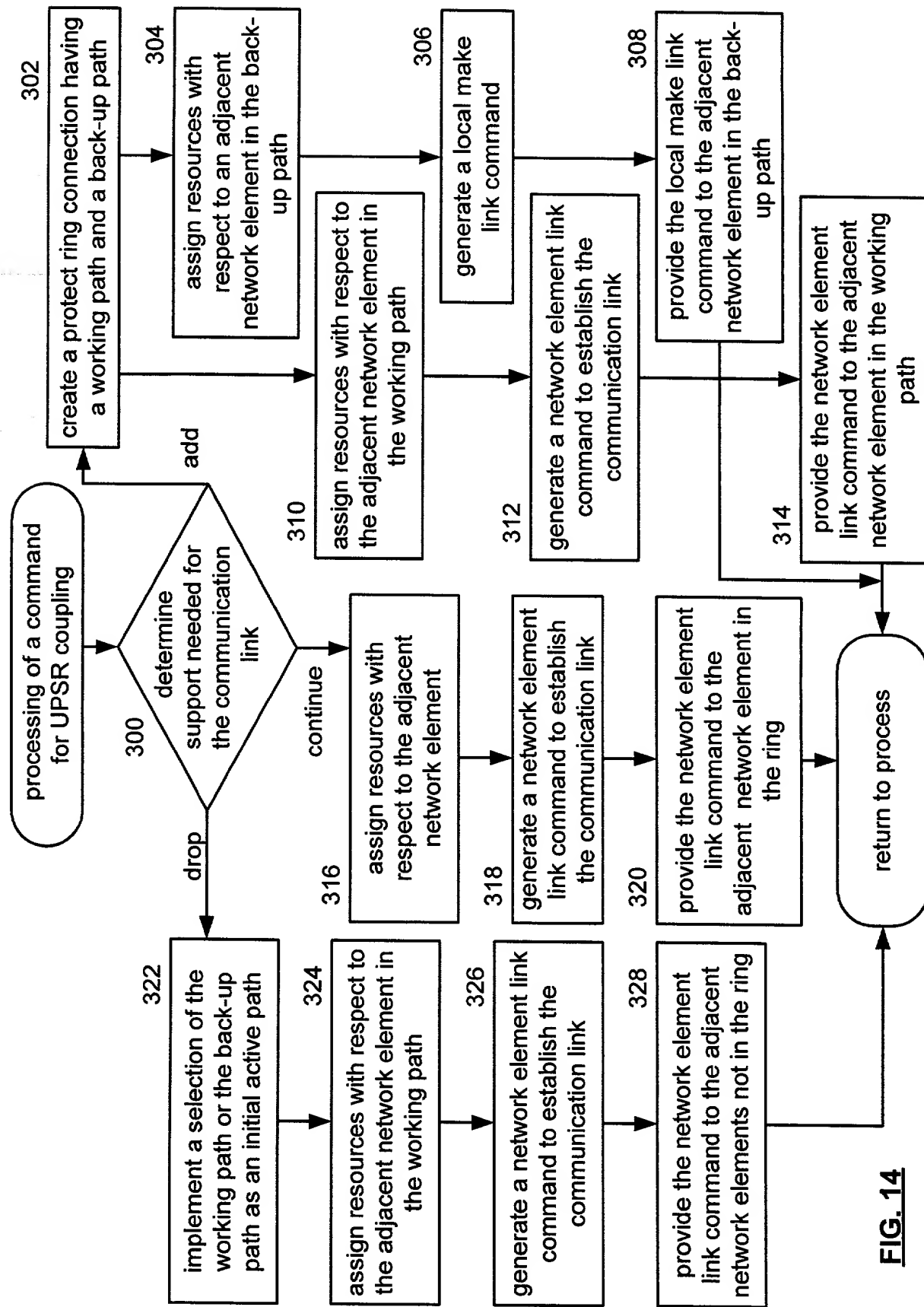


FIG. 14

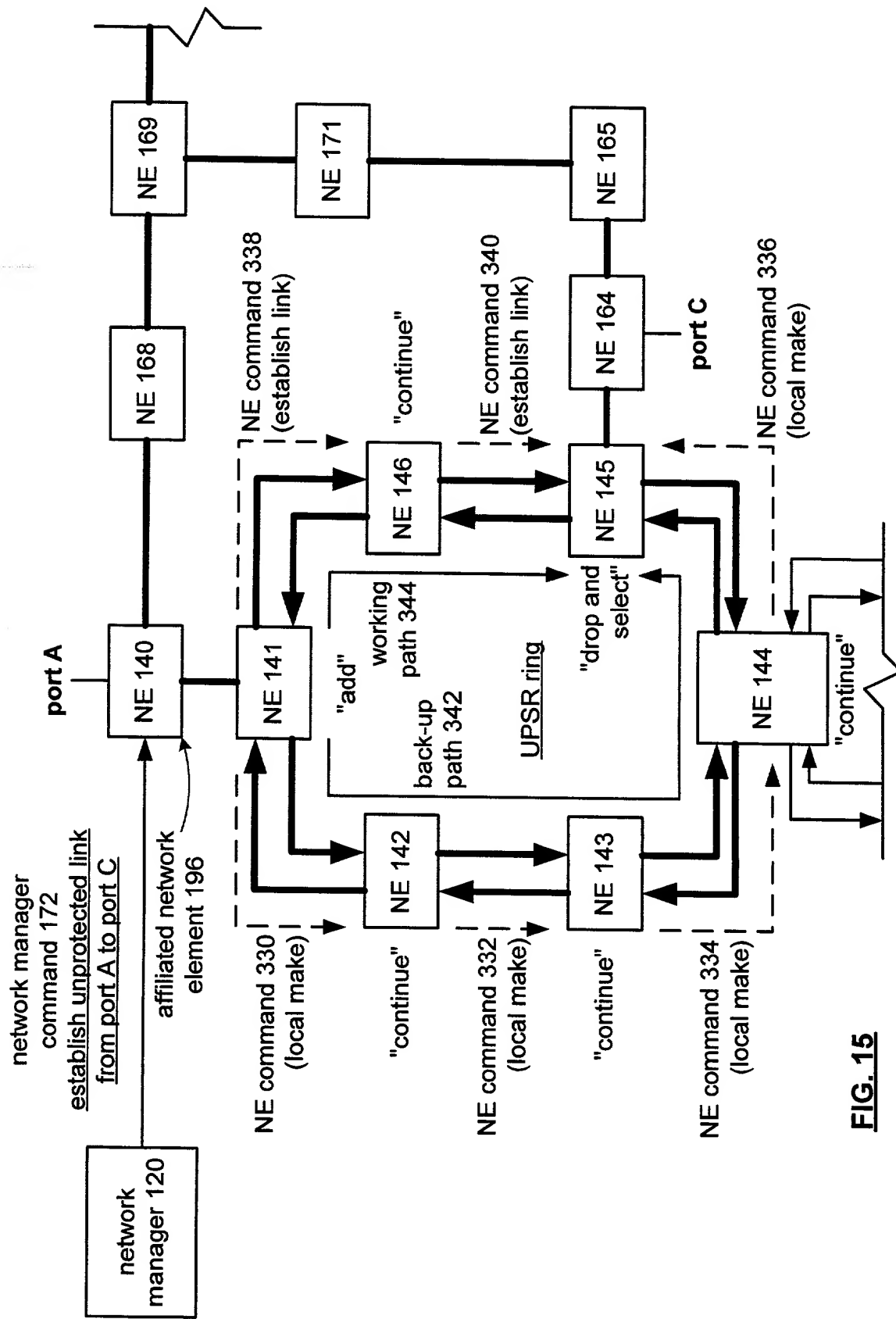
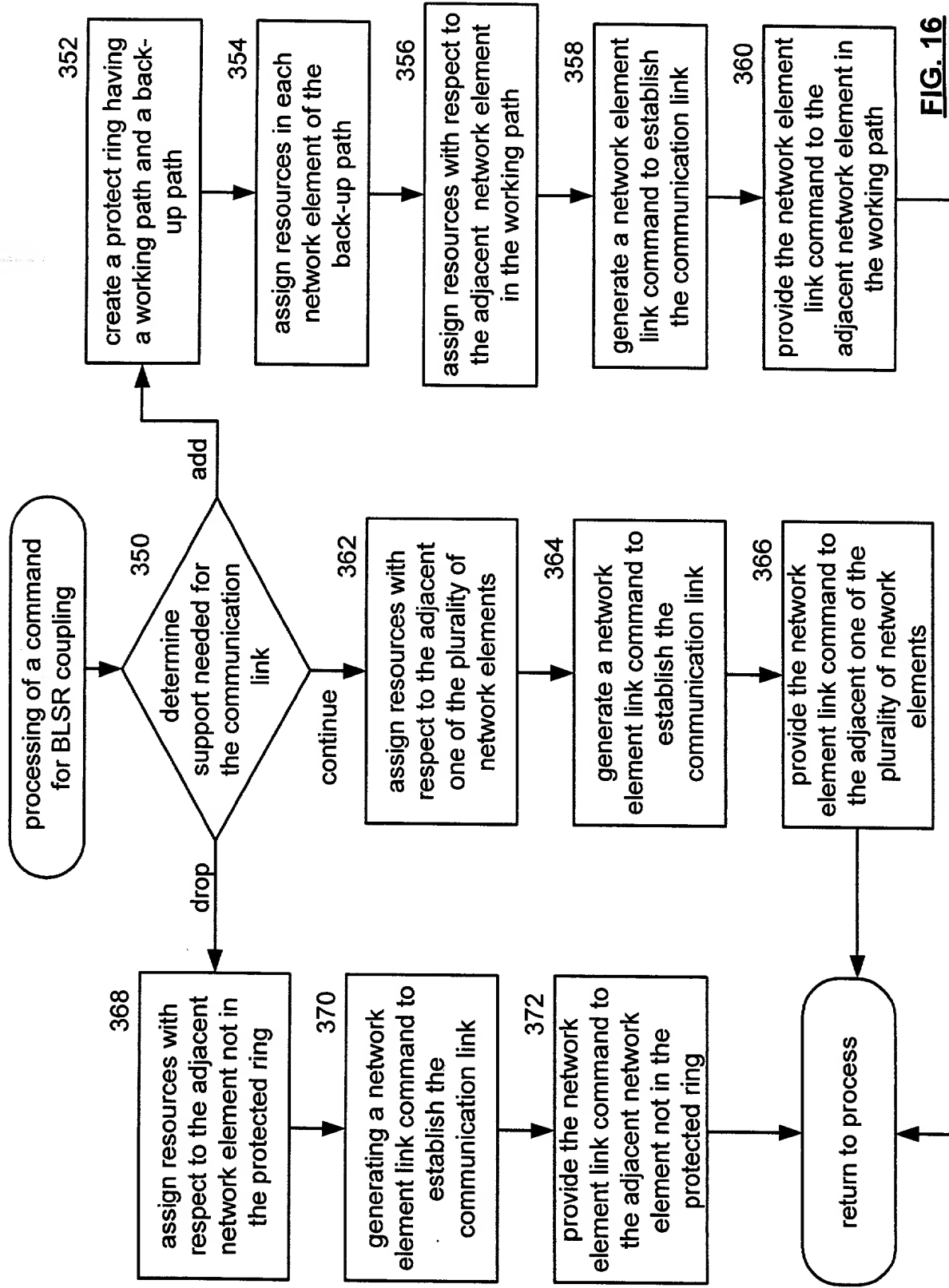


FIG. 15



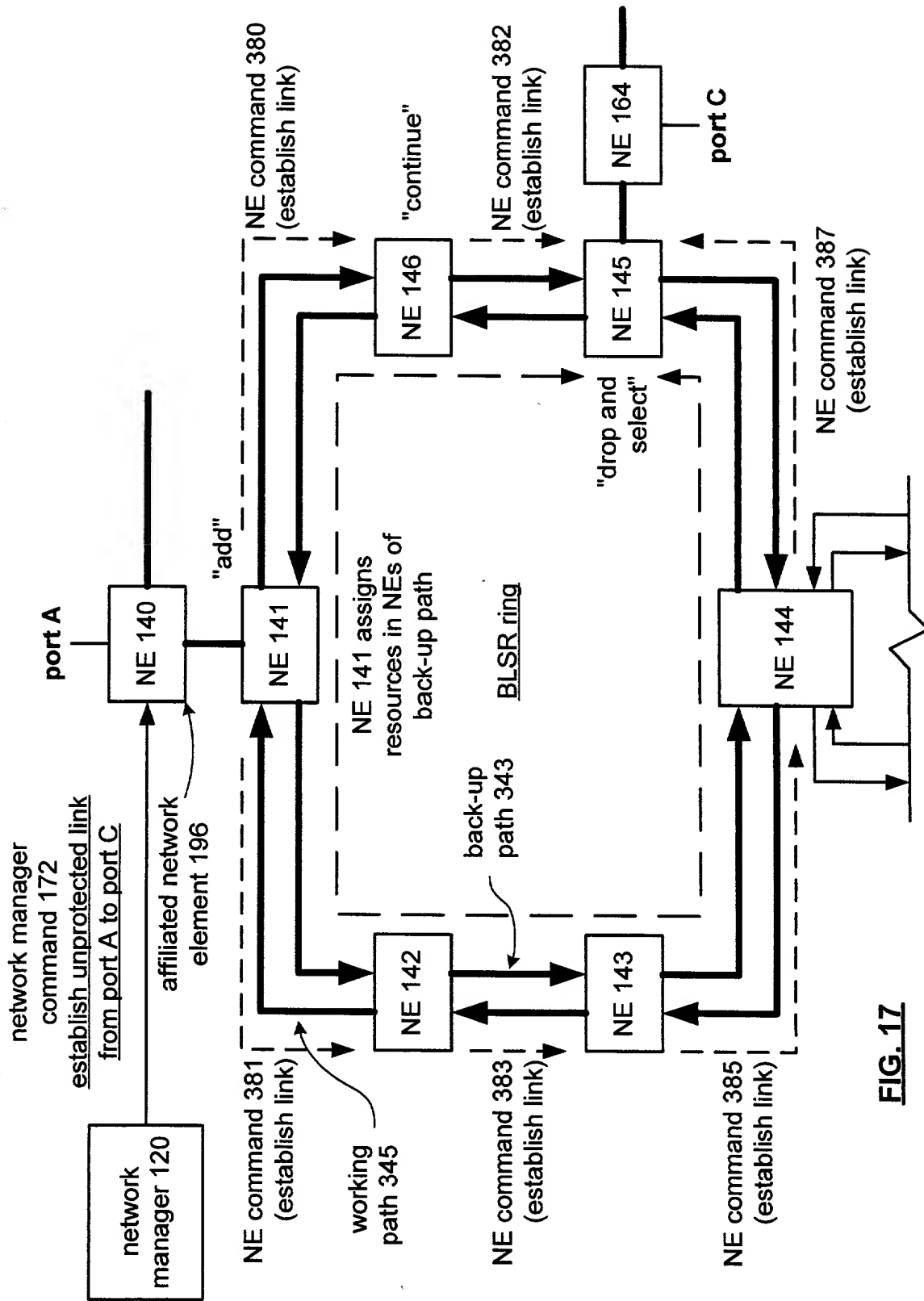


FIG. 17

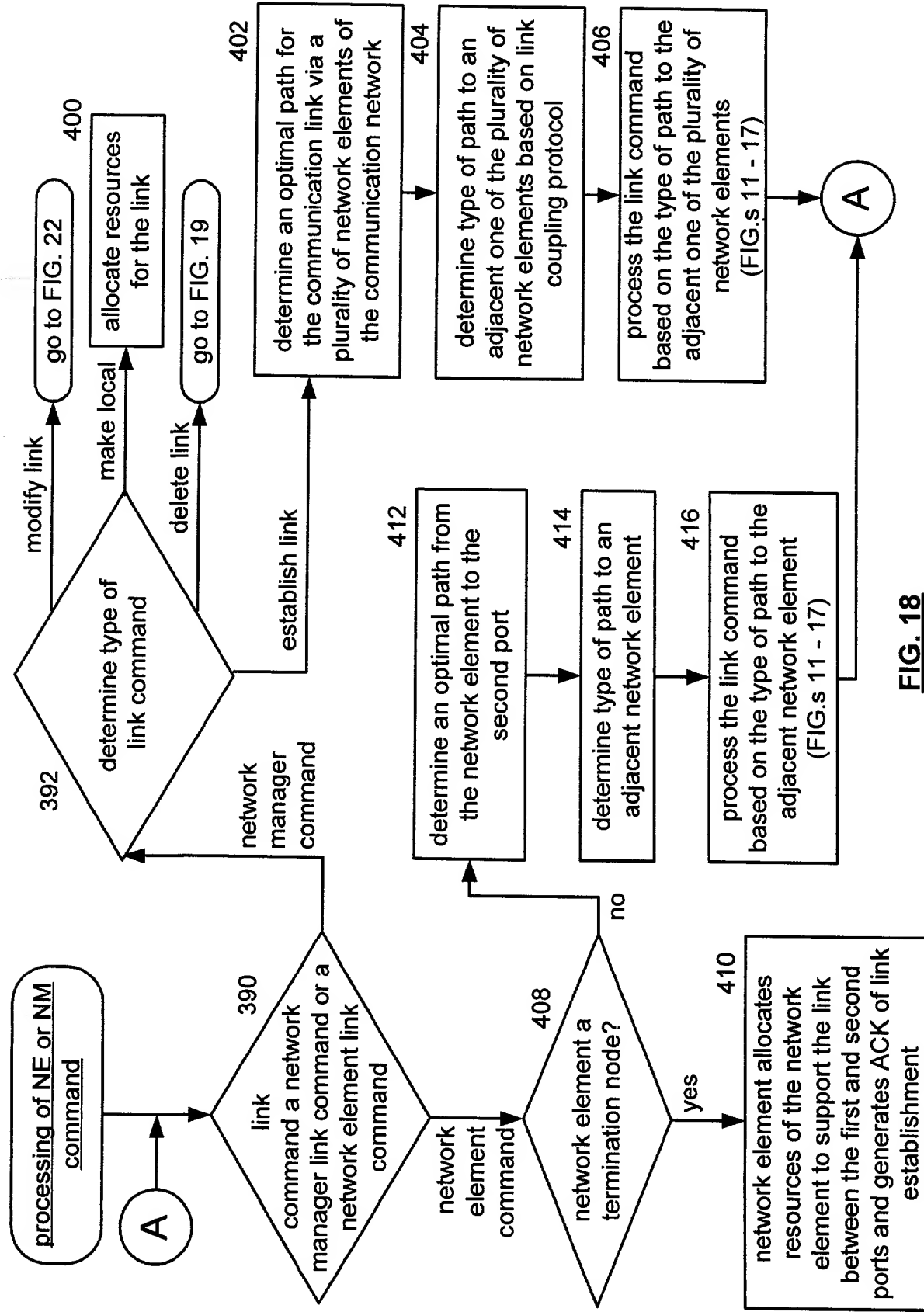


FIG. 18

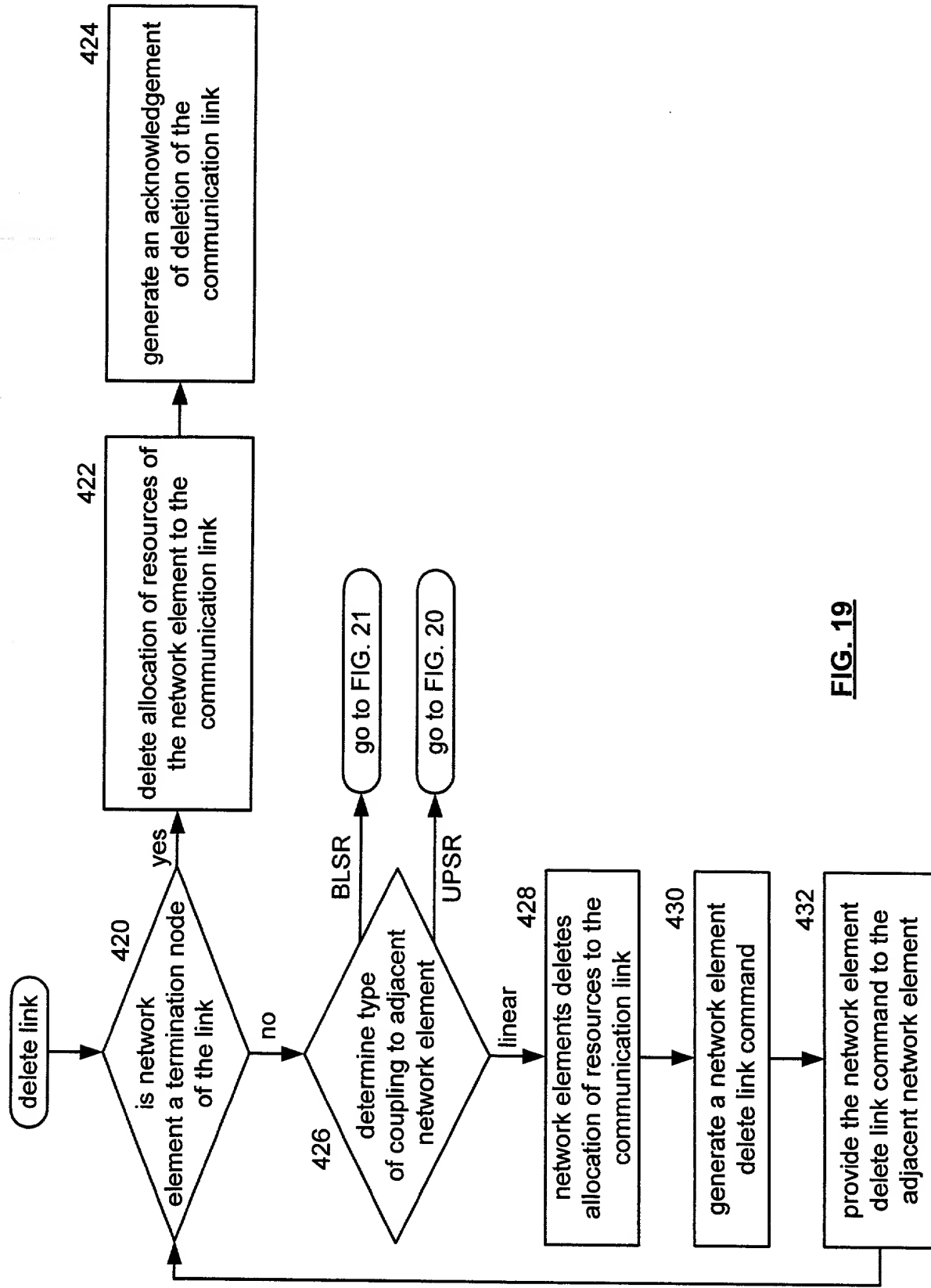
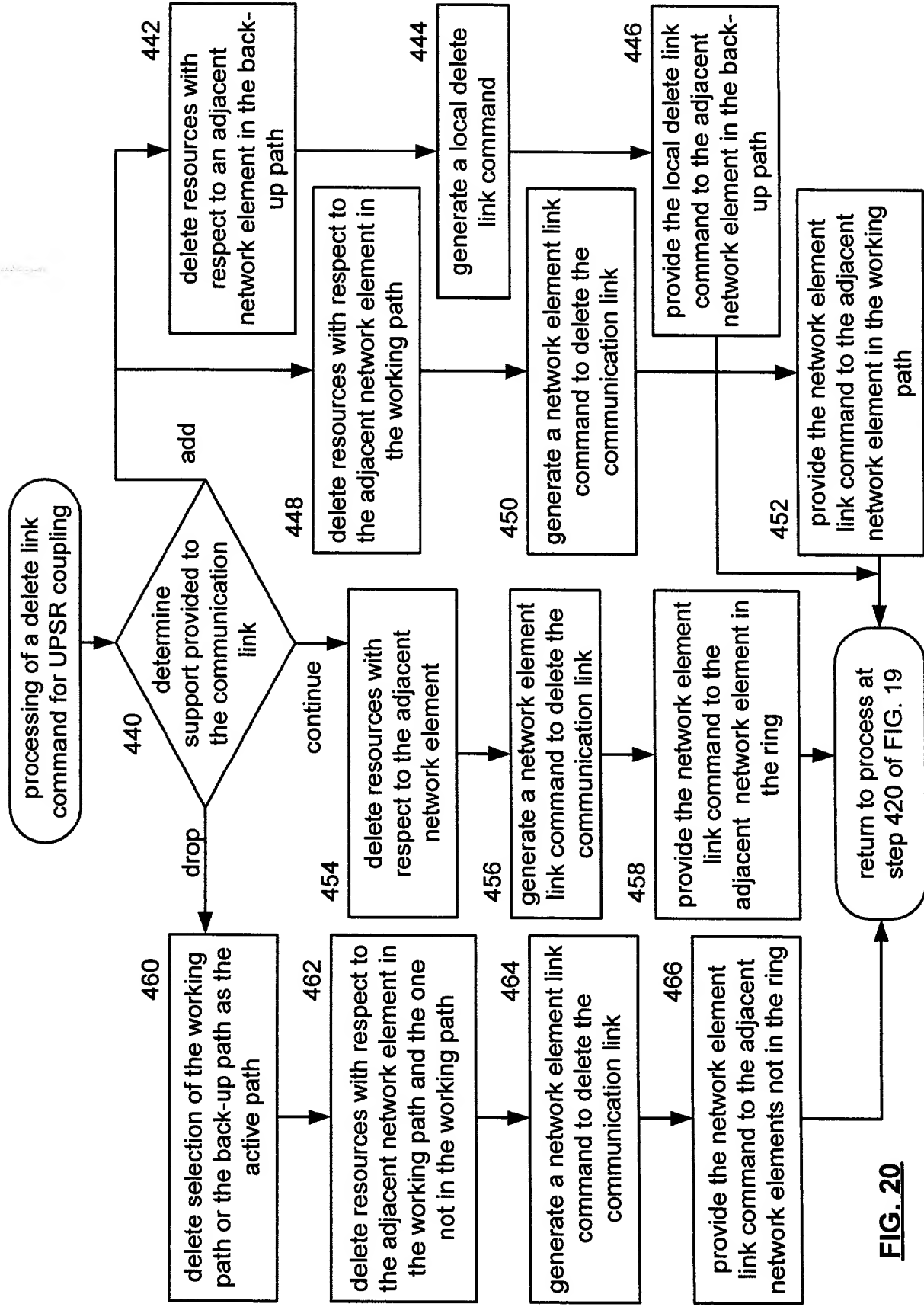
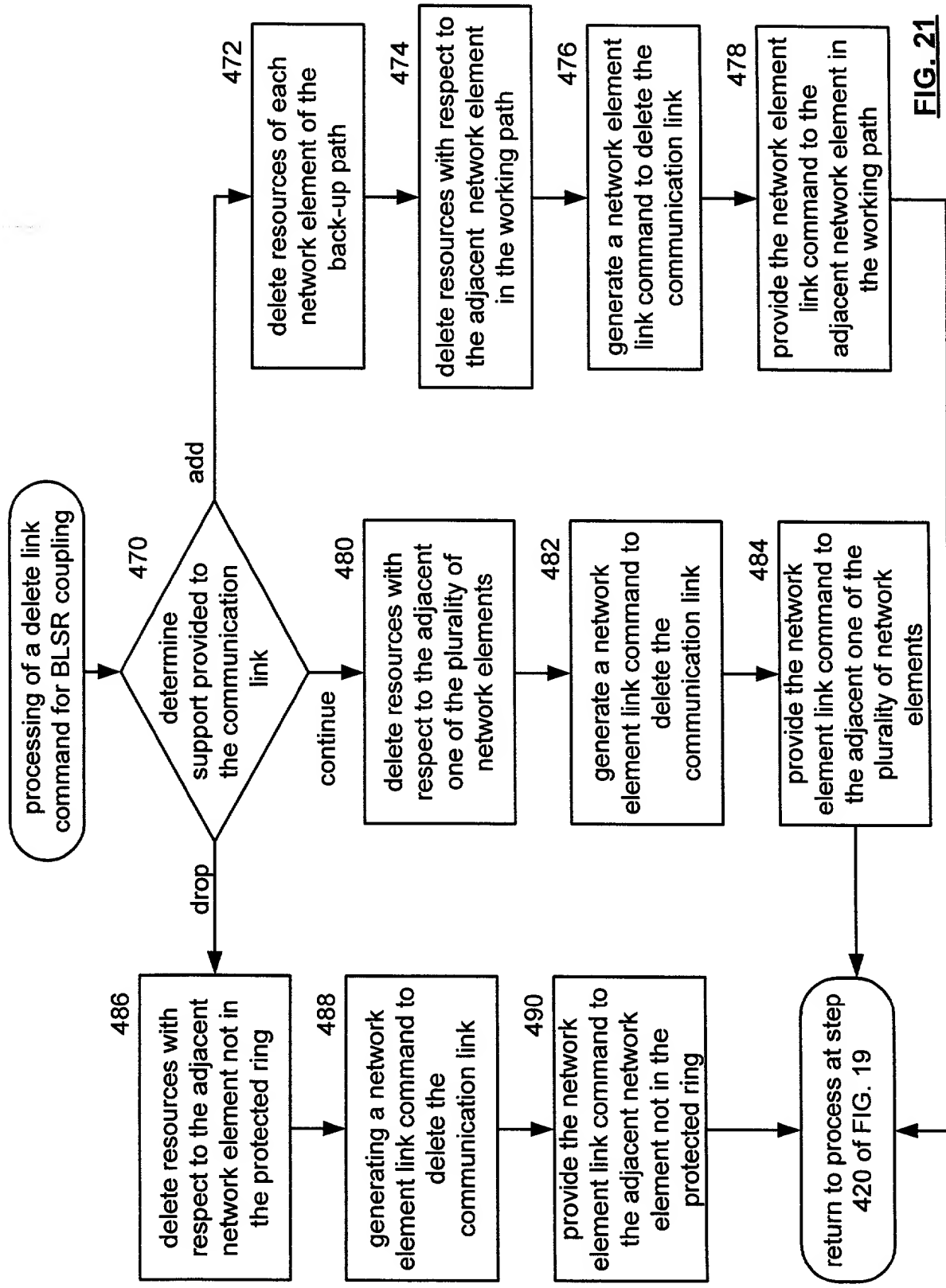


FIG. 19





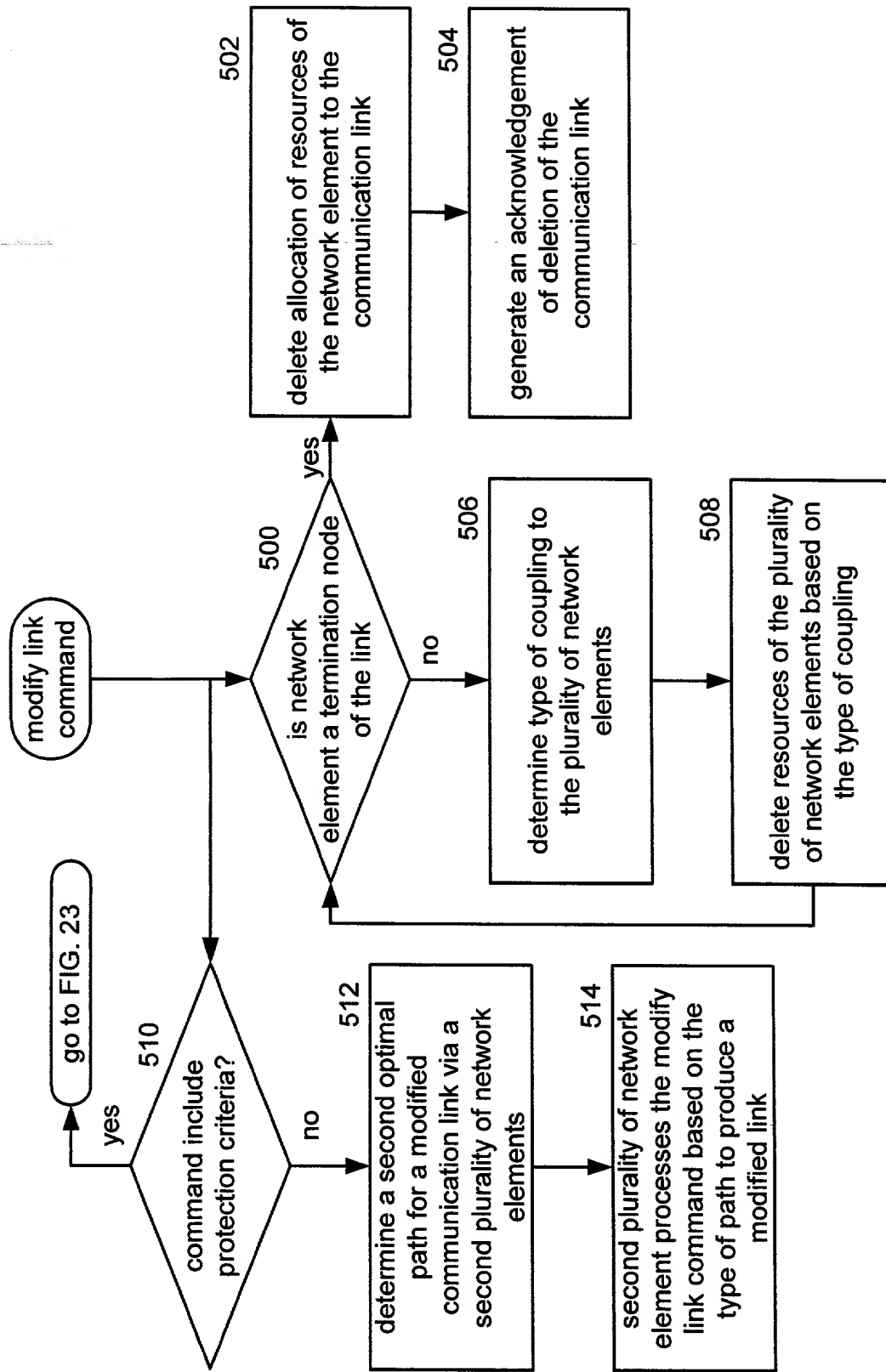


FIG. 22

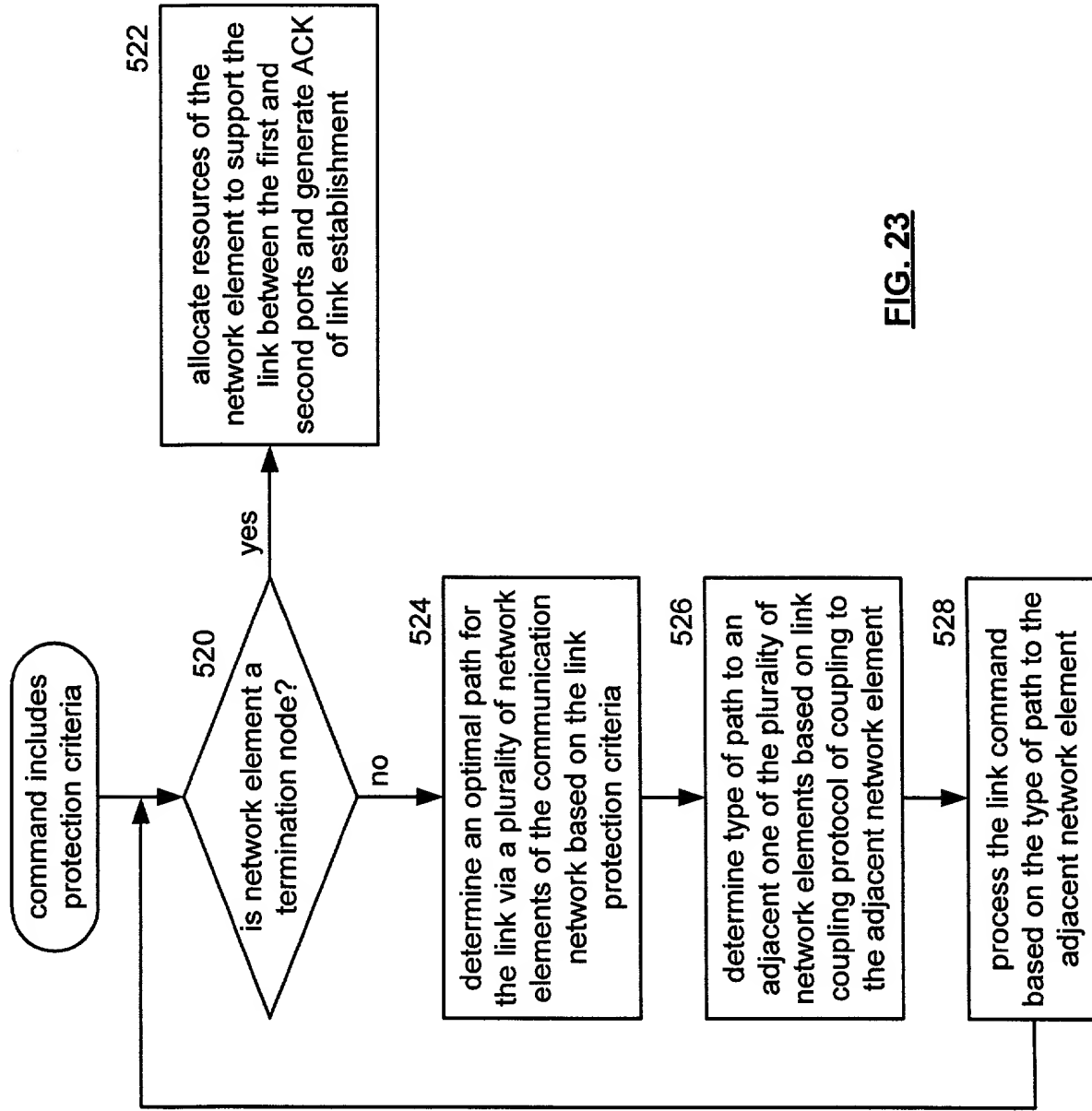


FIG. 23

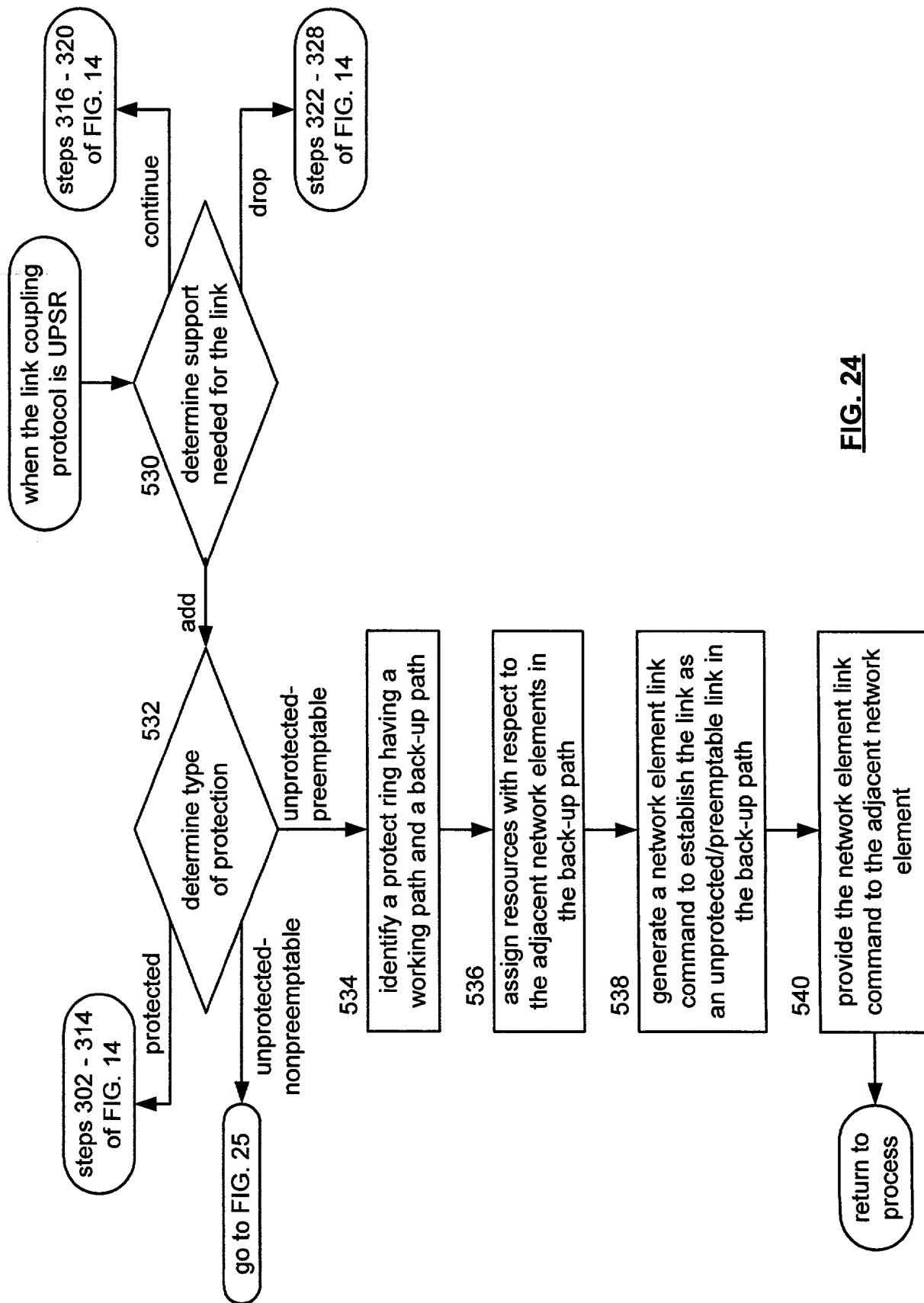


FIG. 24

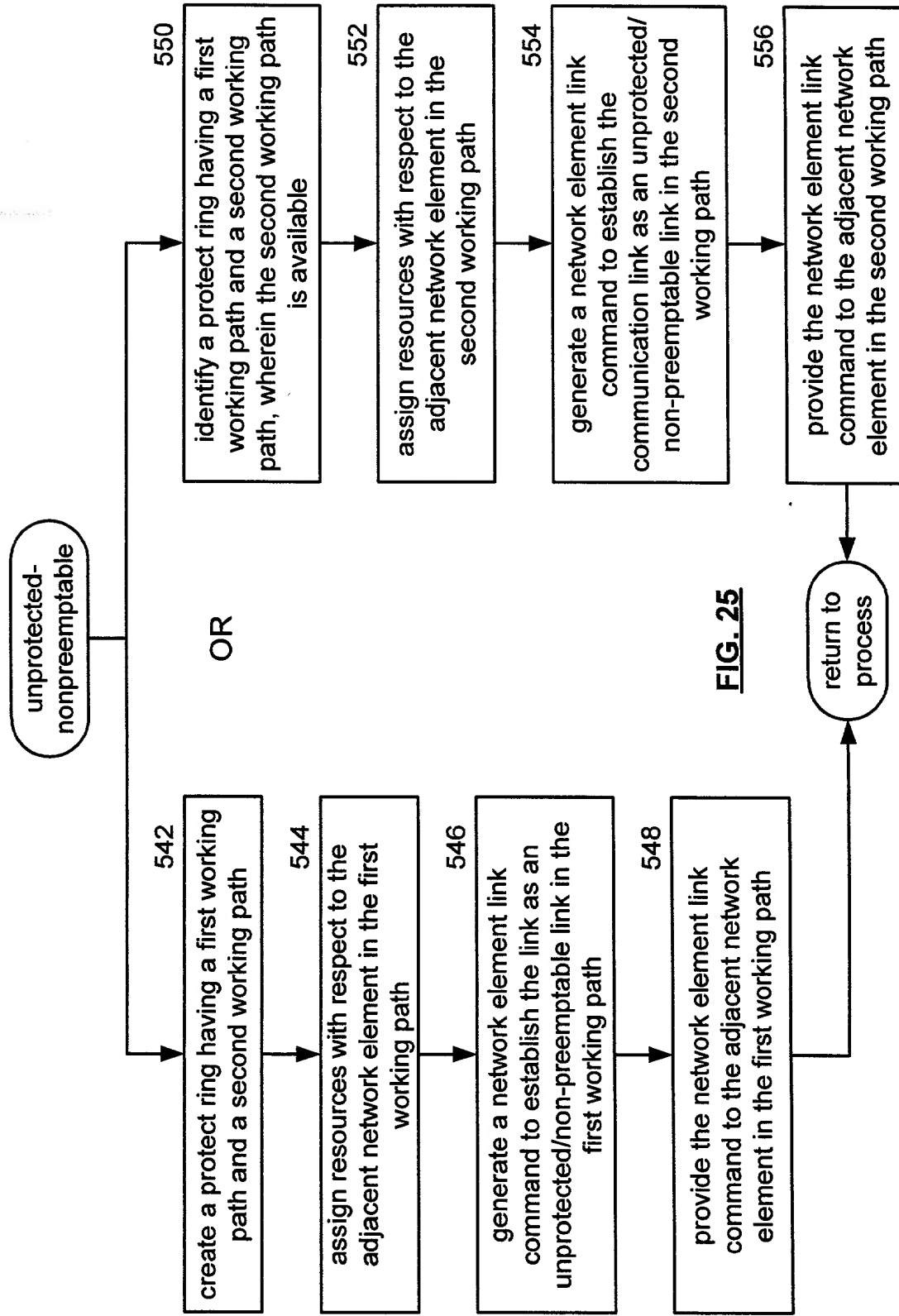


FIG. 25

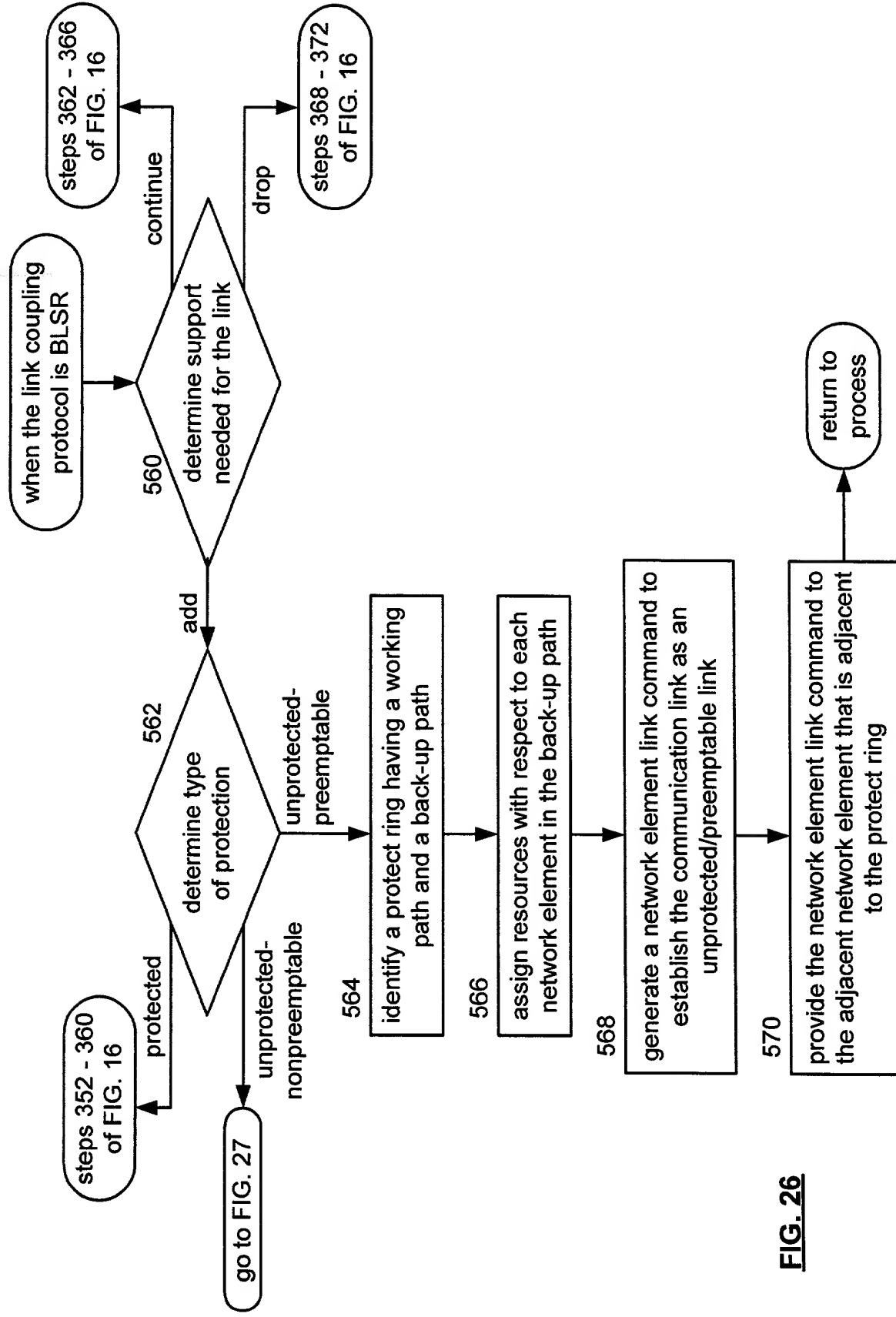


FIG. 26

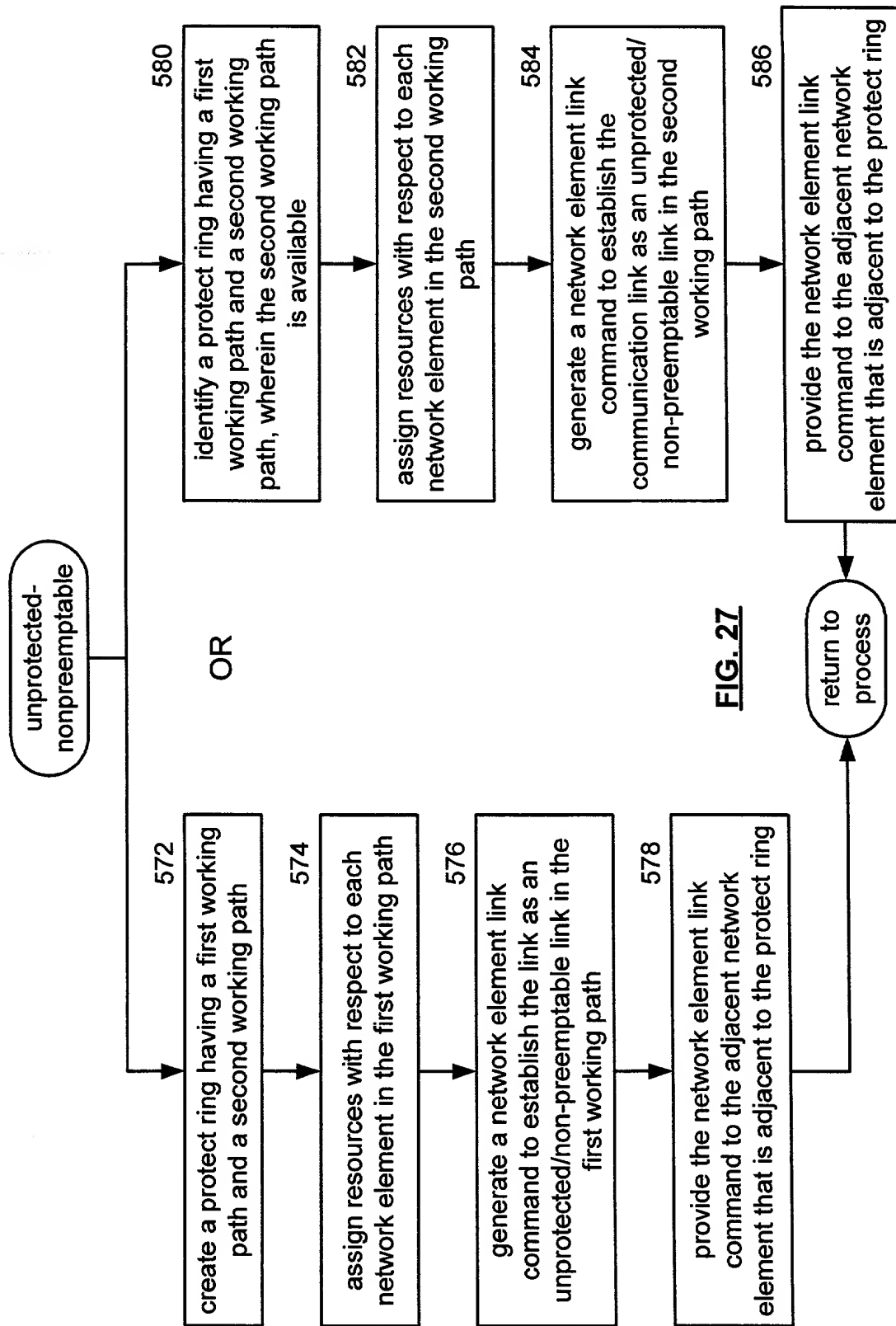


FIG. 27

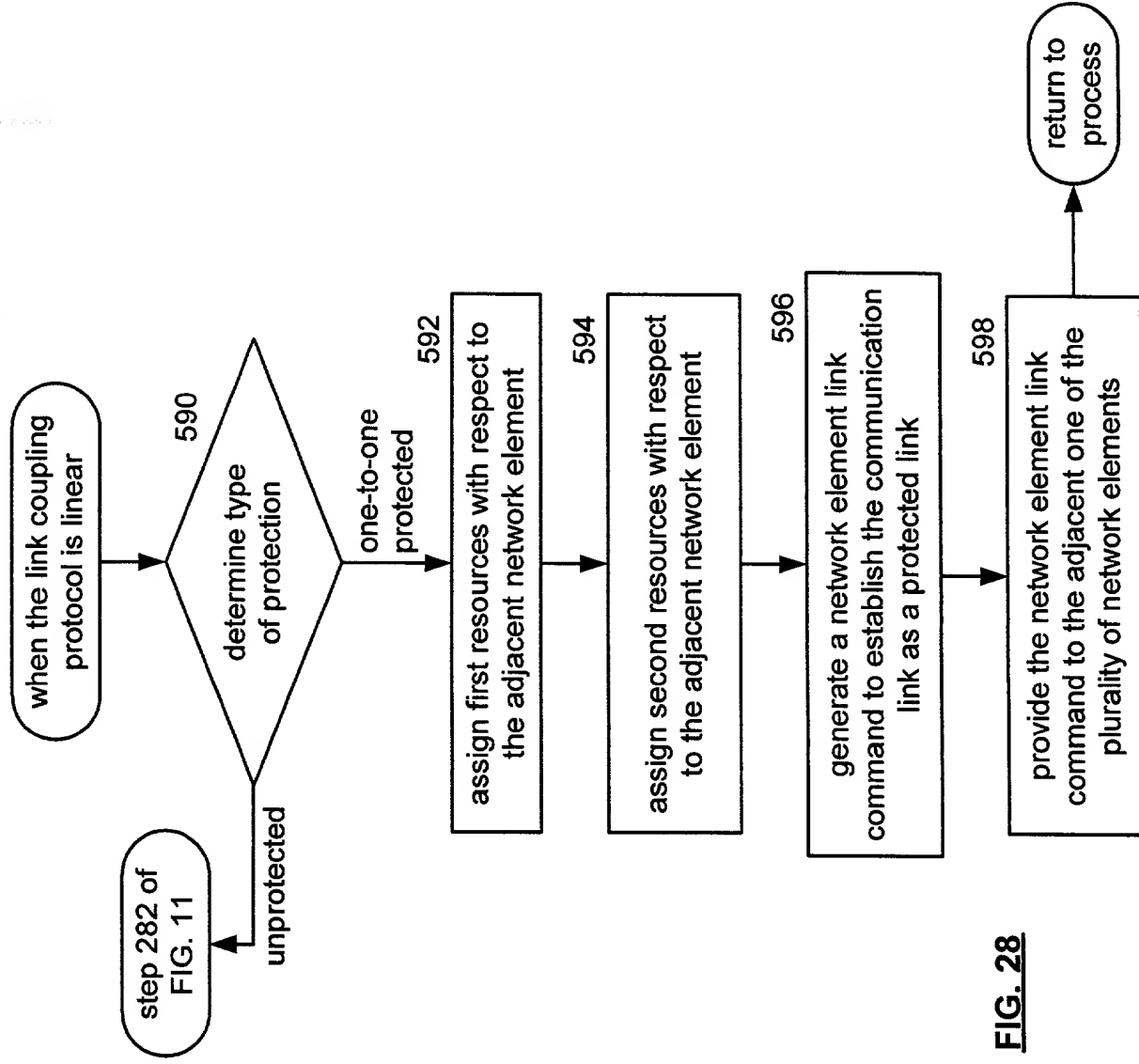


FIG. 28

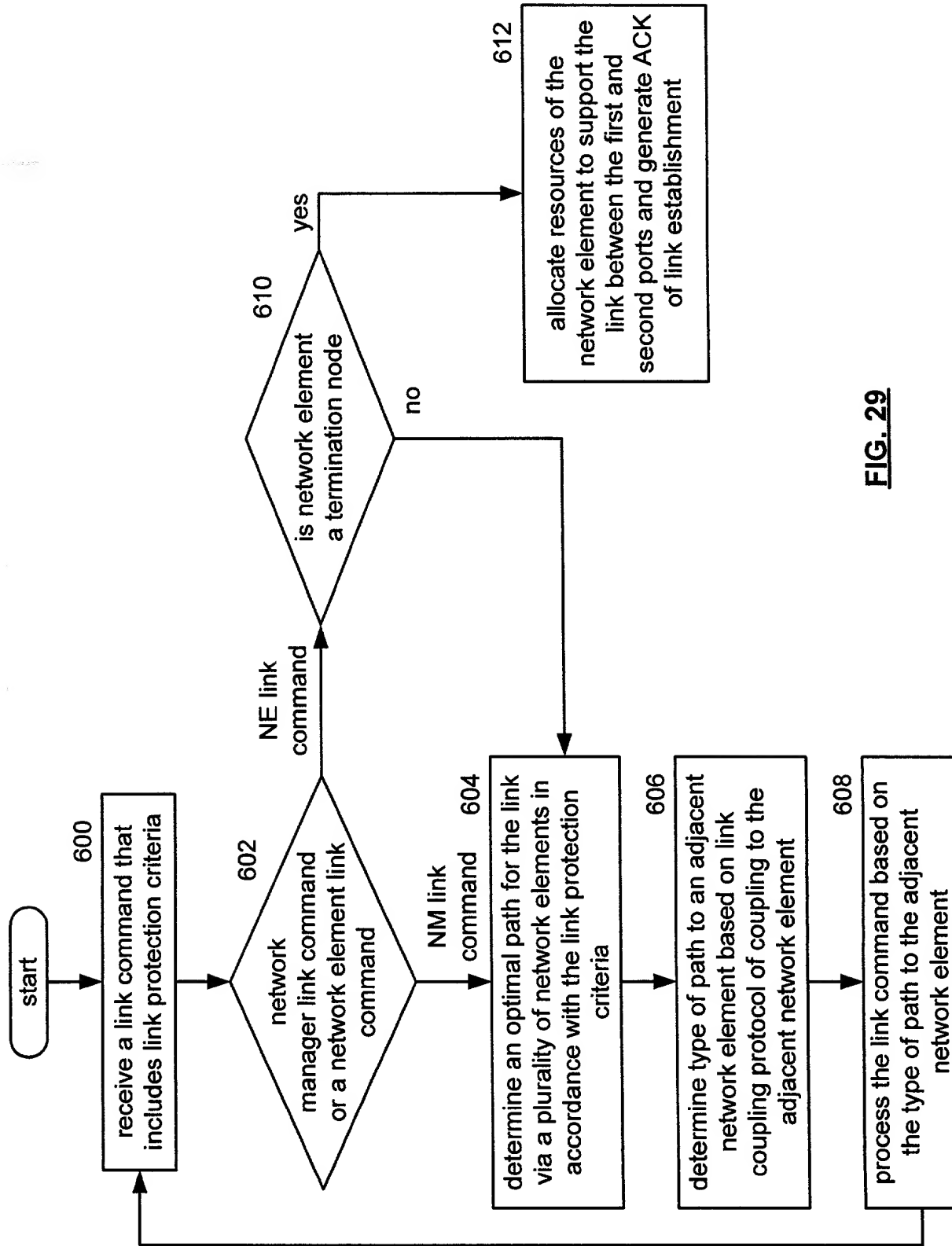


FIG. 29

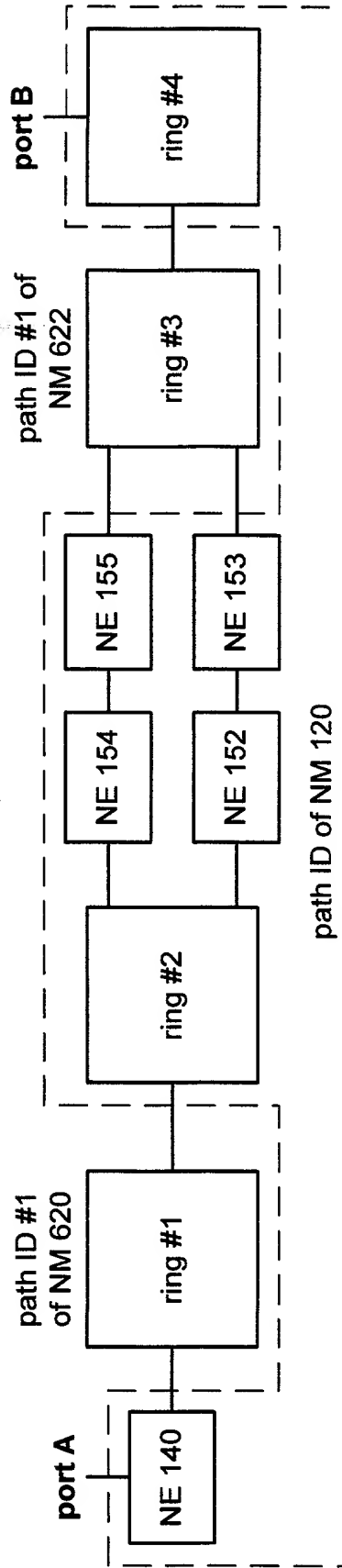


FIG. 31

| set of grouping ID | grouping ID | NE ID | SONET link information |
|---------------------------------------|-------------|--------|------------------------|
| set 1 - link A-B (path identifier) | group 1 | NE 140 | |
| | group 2 | NE 147 | |
| | | NE 148 | |
| | | NE 149 | |
| | | NE 150 | |
| | | NE 151 | |
| | | NE 152 | |
| | | NE 153 | |
| | | NE 154 | |
| | | NE 155 | |
| | group 3 | NE 159 | |
| | | NE 160 | |
| | | NE 161 | |
| | | NE 162 | |
| | | NE 163 | |

FIG. 32

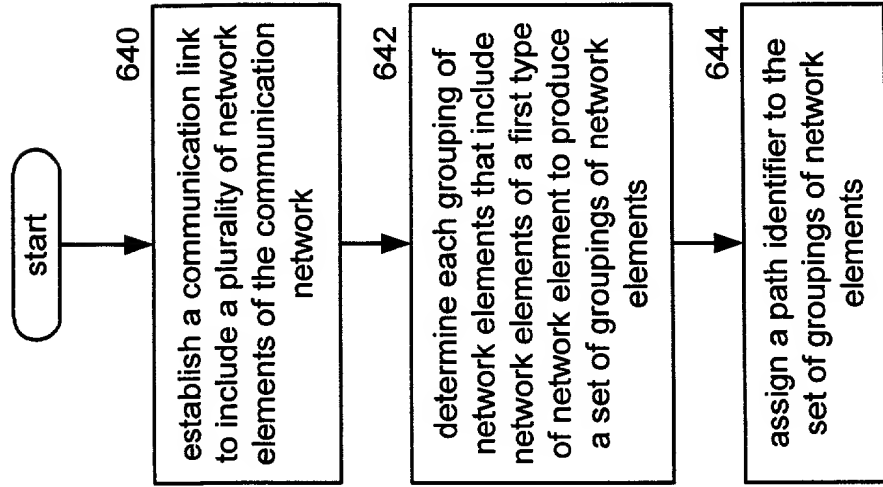


FIG. 33

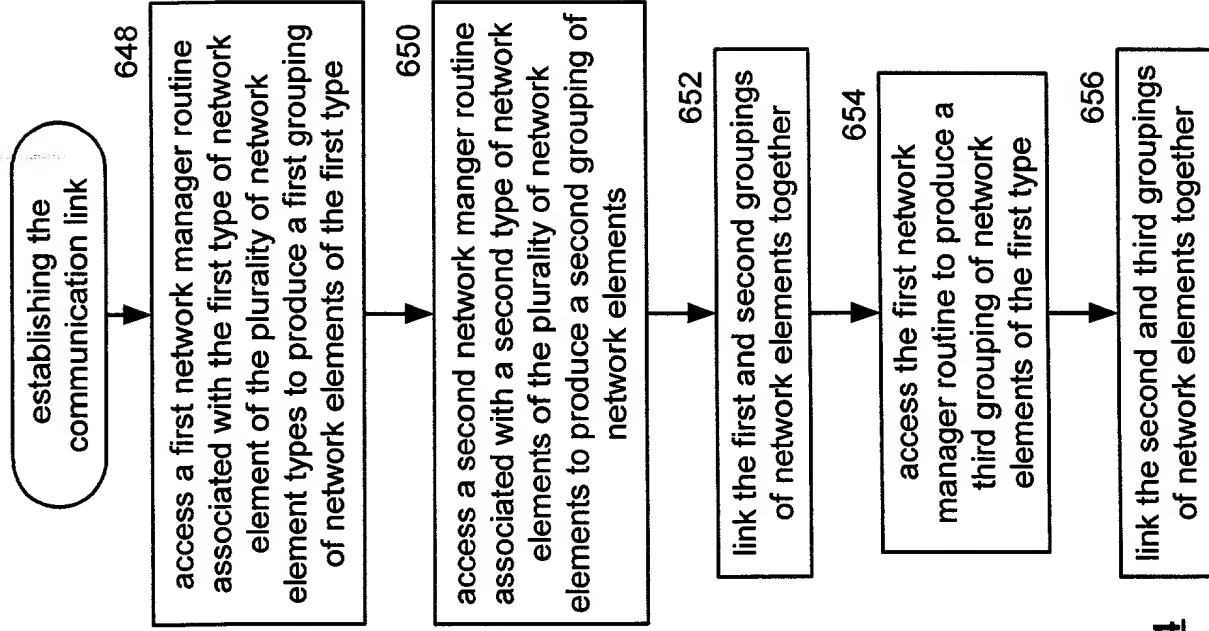


FIG. 34

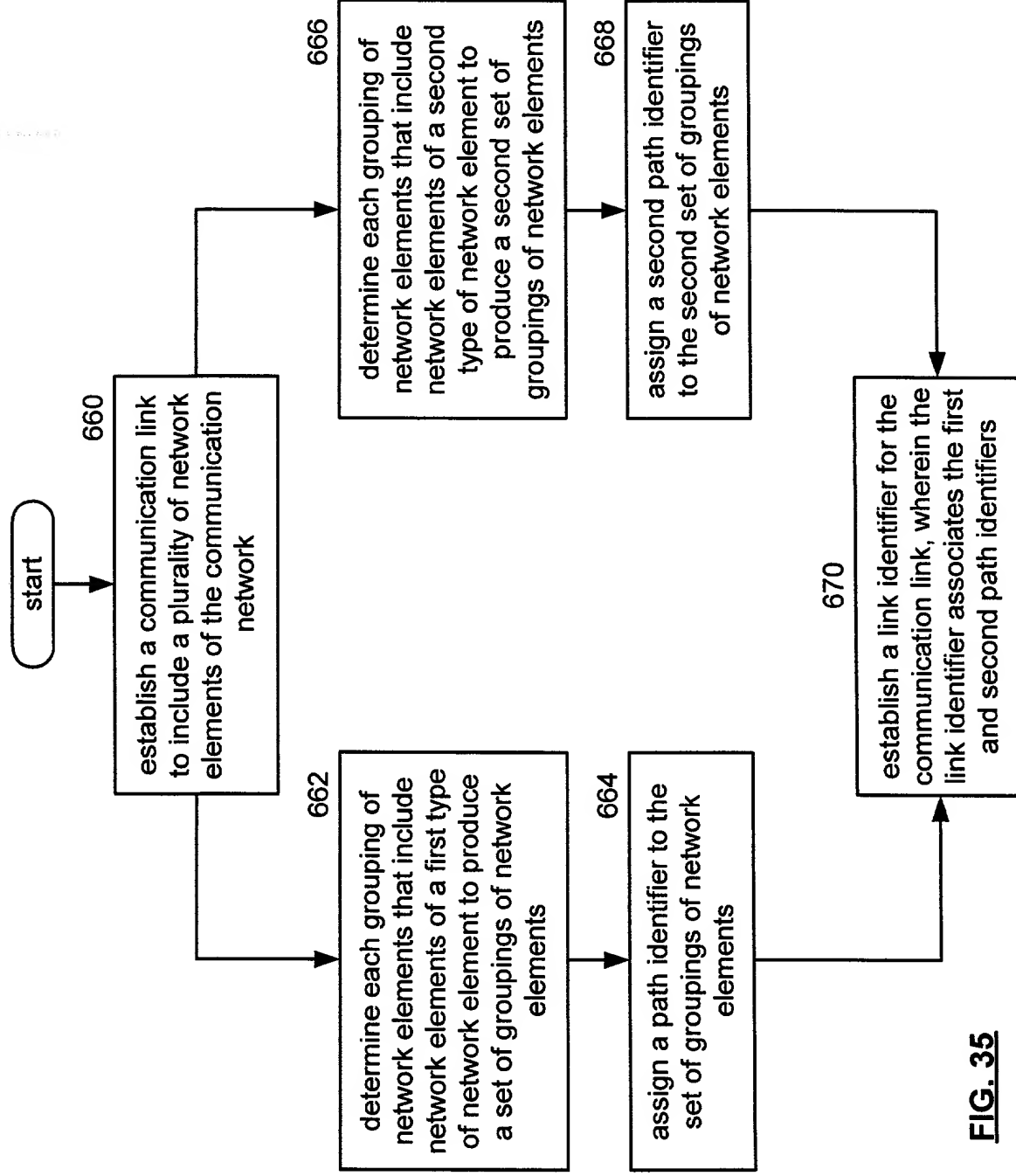


FIG. 35

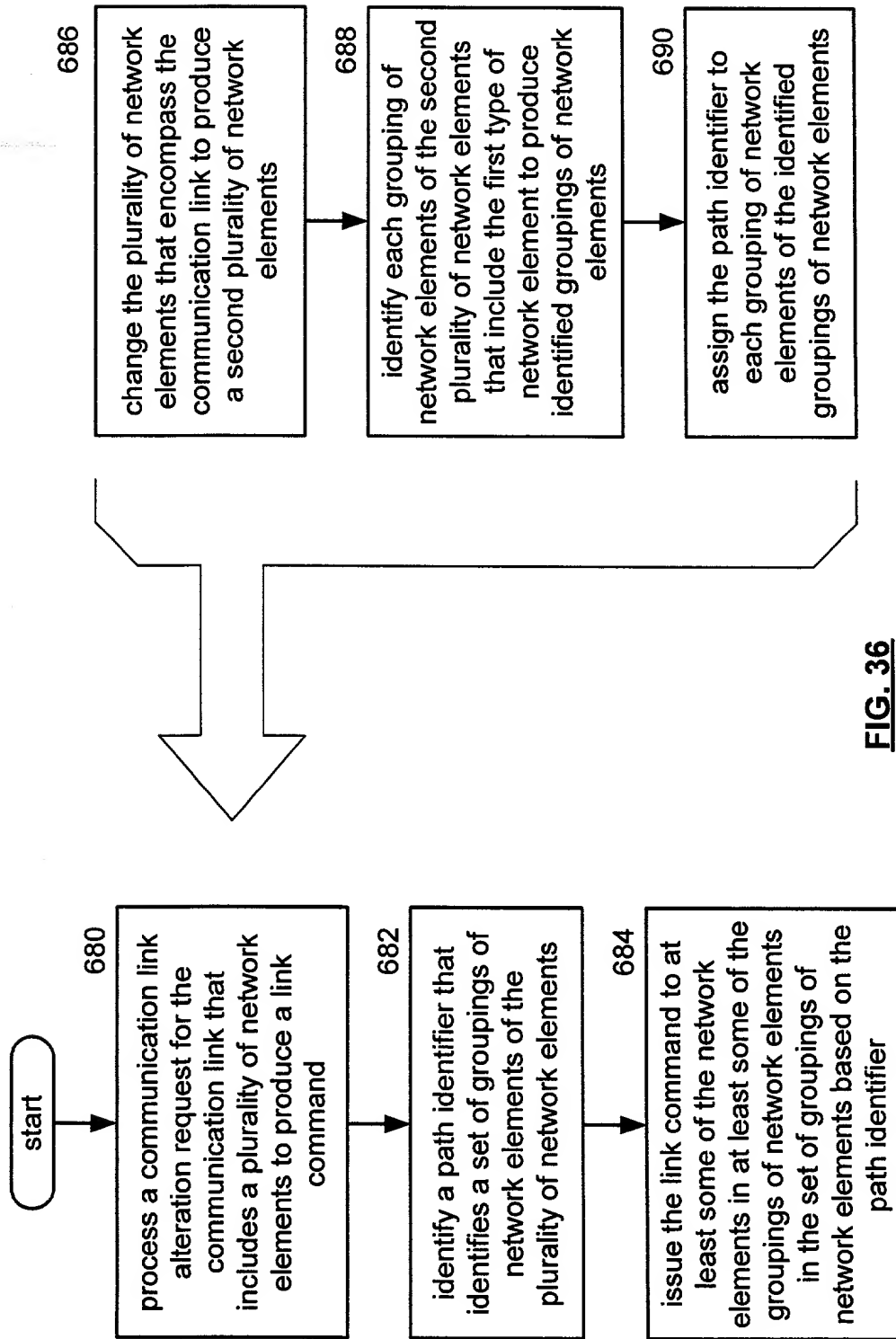


FIG. 36